Kubernets install

➡curl -LO https://dl.k8s.io/release/v1.32.0/bin/linux/amd64/kubectl

➡sudo install -o root -g root -m 0755 kubectl /usr/local/bin/kubectl

➡chmod +x kubectl

➡mkdir -p ~/.local/bin

➡mv ./kubectl ~/.local/bin/kubectl

➡kubectl version --client

```
arunesh@Arunesh:~$ sudo cat /var/lib/jenkins/secrets/initialAdminPassword
c0af4de8ae1d48a9b3953f5d380b56dd
arunesh@Arunesh:~$ curl -LO https://dl.k8s.io/release/v1.32.0/bin/linux/amd64/kubectl
  % Total    % Received % Xferd  Average Speed   Time    Time     Time  Current
                                 Dload  Upload   Total   Spent    Left  Speed
100   138  100   138    0     0     82      0  0:00:01  0:00:01 --:--:--    82
100 54.6M  100 54.6M    0     0    481k      0  0:01:56  0:01:56 --:--:-- 1650k
arunesh@Arunesh:~$ sudo install -o root -g root -m 0755 kubectl /usr/local/bin/kubectl
arunesh@Arunesh:~$ chmod +x kubectl
mkdir -p ~/.local/bin
mv ./kubectl ~/.local/bin/kubectl
arunesh@Arunesh:~$ kubectl version --client
Client Version: v1.32.0
Kustomize Version: v5.5.0
arunesh@Arunesh:~$ curl -LO https://github.com/kubernetes/minikube/releases/latest/download/minikube-linux-amd64
  % Total    % Received % Xferd  Average Speed   Time    Time     Time  Current
                                 Dload  Upload   Total   Spent    Left  Speed
  0     0    0     0    0     0      0      0 --:--:-- --:--:-- --:--:--     0
  0     0    0     0    0     0      0      0 --:--:-- --:--:-- --:--:--     0
100  119M  100  119M    0     0   2262k      0  0:00:54  0:00:54 --:--:-- 4373k
```

➡minikube installation

➡curl -LO https://github.com/kubernetes/minikube/releases/latest/download/minikube-linux-amd64

➡sudo install minikube-linux-amd64 /usr/local/bin/minikube && rm minikube-linux-amd64

➡minikube start

```
arunesh@Arunesh:~$ sudo install minikube-linux-amd64 /usr/local/bin/minikube && rm minikube-linux-amd64
arunesh@Arunesh:~$ minikube start
😄  minikube v1.35.0 on Ubuntu 24.04 (amd64)
✨  Automatically selected the docker driver. Other choices: none, ssh
🐳  Using Docker driver with root privileges
👍  Starting "minikube" primary control-plane node in "minikube" cluster
🚜  Pulling base image v0.0.46 ...
💾  Downloading Kubernetes v1.32.0 preload ...
    > preloaded-images-k8s-v18-v1..:  210.58 MiB / 333.57 MiB  63.13% 864.36 K
    > gcr.io/k8s-minikube/kicbase..:  140.16 MiB / 500.31 MiB  28.01% 568.80 K
    > index.docker.io/kicbase/sta..:  500.31 MiB / 500.31 MiB  100.00% 2.98 Mi
❗  minikube was unable to download gcr.io/k8s-minikube/kicbase:v0.0.46, but successfully downloaded docker.io/kicbase/stable:v0.0.46@sha256:fd2d445ddcc33eb
c5c6b68a17e6219ea207ce63c005095ea1525296da2d1a279 as a fallback image
🔥  Creating docker container (CPUs=2, Memory=2200MB) ...
    > kubectl.sha256:  64 B / 64 B [-------------------------] 100.00% ? p/s 0s
    > kubeadm.sha256:  64 B / 64 B [-------------------------] 100.00% ? p/s 0s
    > kubelet.sha256:  64 B / 64 B [-------------------------] 100.00% ? p/s 0s
    > kubelet:  73.81 MiB / 73.81 MiB [-------------] 100.00% 2.73 MiB p/s 27s
    > kubectl:  54.67 MiB / 54.67 MiB [-------------] 100.00% 1.98 MiB p/s 28s
    > kubeadm:  67.66 MiB / 67.66 MiB [-------------] 100.00% 2.05 MiB p/s 33s
    ▪ Generating certificates and keys ...
    ▪ Booting up control plane ...
    ▪ Configuring RBAC rules ...
🔗  Configuring bridge CNI (Container Networking Interface) ...
🔎  Verifying Kubernetes components...
    ▪ Using image gcr.io/k8s-minikube/storage-provisioner:v5
🌟  Enabled addons: storage-provisioner, default-storageclass
🏄  Done! kubectl is now configured to use "minikube" cluster and "default" namespace by default
arunesh@Arunesh:~$ minikube status
minikube
type: Control Plane
host: Running
kubelet: Running
apiserver: Running
kubeconfig: Configured
```